

Notes from the 7/22/04 Tevatron BPM Upgrade Meeting  
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Started the meeting with the prospect of creating a new test stand at Feynman. We need to retrieve more timing cards from Craig McClure, but once we have them it would take about half a day to configure a new test stand. The new test stand would be named FCCTS2. Eric James has also been set-up to begin using the test stand for the NuMI project located in the transfer gallery.

We established that the highest priority task should be the creation and installation of a closed orbit test system at a Tevatron service building. We would prepare for installation as soon as Dehong and Luciano can demonstrate reasonable closed orbit data from the new EchoTek modules to ACNET parameters on the current test stand (FCCTS1). We have decided not to wait for the completion of the new timing card for the test, but will try to include it if it becomes available a week before the shutdown.

The first level of testing the timing card can be done without interfering with the test stand. The VME communications can be verified with independent software, and triggers can be verified with independent software and TCLK and TVBS inputs (we have many extra channels). A version of the timing card with only the PLL circuit operational will be required for the service building installation. We only have one EchoTek PLL and we would like to avoid disabling the test stand for the duration of the service building tests.

Gustavo is working on a MATLAB simulation of the Greychip in order to help optimize the digital filters for the different modes of operation. He may need a filter package for the MATLAB suite.

We will meet on Monday if necessary/desired. We will make the decision Monday morning and send out mail if there is to be a meeting.